

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)

LOCATION.--Lat 39°19'47", long 111°25'51", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 17 S., R. 4 E., Sanpete County, Hydrologic Unit 14060009, at east tunnel portal, 9.0 mi east of Ephraim.

PERIOD OF RECORD.--September 1949 to current year. Monthly discharge only for September 1949 to September 1960; figures of daily discharge available in Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 9,694.9 ft above NGVD of 1929. (Levels by U.S. Geological Survey, Topographic Division.)

REMARKS.--Records poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft³/s, June 6, 1964, gage height, 5.43 ft; no flow at times in some years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	2.6	0.19	70	4.1	1.3	0.01
2	---	---	---	---	---	---	2.7	0.09	51	3.9	1.4	0.01
3	---	---	---	---	---	---	e2.6	0.09	42	3.8	2.1	0.01
4	---	---	---	---	---	---	e2.3	0.02	38	3.7	0.31	0.01
5	---	---	---	---	---	---	e2.8	0.01	38	3.6	0.14	0.01
6	---	---	---	---	---	---	e2.9	0.00	34	3.5	0.06	0.02
7	---	---	---	---	---	---	e3.1	0.01	31	3.4	0.11	0.01
8	---	---	---	---	---	---	e3.4	0.01	29	3.4	0.18	0.00
9	---	---	---	---	---	---	e3.6	0.01	24	3.3	0.04	0.00
10	---	---	---	---	---	---	3.7	0.01	22	3.2	0.03	0.05
11	---	---	---	---	---	---	3.9	0.64	18	3.1	0.02	0.03
12	---	---	---	---	---	---	3.8	0.03	16	3.0	0.01	0.00
13	---	---	---	---	---	---	e5.2	0.03	16	3.0	0.01	0.00
14	---	---	---	---	---	---	e5.0	0.84	16	2.9	0.01	0.00
15	---	---	---	---	---	---	e4.9	2.4	14	2.9	0.01	0.01
16	---	---	---	---	---	---	e4.5	3.1	13	2.8	0.01	0.01
17	---	---	---	---	---	---	3.8	4.1	11	2.8	0.01	0.01
18	---	---	---	---	---	---	e4.0	5.7	11	2.8	0.00	0.01
19	---	---	---	---	---	---	e4.1	7.4	9.8	2.7	0.01	0.01
20	---	---	---	---	---	---	e3.8	10	9.0	2.7	0.01	0.01
21	---	---	---	---	---	---	e4.0	21	8.3	2.7	0.01	0.05
22	---	---	---	---	---	---	e3.0	50	7.7	2.6	0.02	0.13
23	---	---	---	---	---	---	e3.0	60	7.2	2.6	0.01	0.00
24	---	---	---	---	---	---	e2.8	62	7.4	2.5	0.00	0.00
25	---	---	---	---	---	---	2.7	54	6.3	2.4	0.01	0.00
26	---	---	---	---	---	---	e3.0	57	5.8	2.3	0.01	0.00
27	---	---	---	---	---	---	e2.4	68	5.5	2.2	0.01	0.01
28	---	---	---	---	---	---	e1.6	75	5.0	1.7	0.02	0.01
29	---	---	---	---	---	---	e0.50	77	4.4	0.50	0.01	0.01
30	---	---	---	---	---	---	0.34	60	4.2	0.15	0.03	0.01
31	---	---	---	---	---	---	---	64	---	0.95	0.01	---
TOTAL	---	---	---	---	---	---	96.04	682.68	574.6	85.20	5.91	0.44
MEAN	---	---	---	---	---	---	3.20	22.0	19.2	2.75	0.19	0.015
MAX	---	---	---	---	---	---	5.2	77	70	4.1	2.1	0.13
MIN	---	---	---	---	---	---	0.34	0.00	4.2	0.15	0.00	0.00
AC-FT	---	---	---	---	---	---	190	1,350	1,140	169	12	0.9

e Estimated